



RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Cycle - 12/2023

Round No - 04

Lab Code: 2864

Date: 29/04/2023

Parameters	Units	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	101	4.2	0.3	0.04	3.7-4.7	3.4	-2.7
Alkaline Phosphatase	U/L	99	172.2	23.0	2.89	126.2-218.2	*258	3.7
Bilirubin (Total)	mg/dL	100	1.5	0.2	0.03	1.1-1.8	1.6	0.5
Calcium (Total)	mg/dL	93	8.9	0.4	0.05	8.0-9.7	.	-
Cholesterol (Total)	mg/dL	99	150.7	9.1	1.14	132.4-168.9	148	-0.3
Creatinine	mg/dL	100	1.5	0.1	0.01	1.3-1.7	1.5	0.0
Glucose	mg/dL	99	102.4	6.2	0.78	89.9-114.9	109	1.1
HDL	mg/dL	94	48.6	6.8	0.88	35.0-62.1	.	-
Potassium	mEq/L	90	4.0	0.2	0.03	3.6-4.5	.	-
Protein (Total)	g/dl	98	5.8	0.3	0.04	5.2-6.5	5.5	-1.0
Sodium	mEq/L	90	140.4	3.5	0.46	133.5-147.3	.	-
SGPT/ALT	U/L	100	31.3	3.5	0.44	24.2-38.3	28	-0.9
SGOT/AST	U/L	99	30.1	2.7	0.34	24.8-35.4	34	1.4
Triglyceride	mg/dL	98	99.5	8.5	1.07	82.5-116.5	89	-1.2
Urea	mg/dL	100	42.9	2.8	0.35	37.3-48.5	45	0.8
Uric Acid	mg/dl	98	5.9	0.4	0.05	5.0-6.7	5.8	-0.3
Chloride	mEq/L	88	99.5	3.9	0.52	91.6-107.3	.	-
Phosphorus	mg/dL	80	4.6	0.2	0.03	4.2-5.0	.	-
Magnesium	mg/dl	27	2.1	0.2	0.05	1.7-2.6	.	-
Iron	µg/dL	70	111.9	6.1	0.91	99.8-124.0	.	-
Amylase	U/L	56	83.1	9.0	1.50	65.1-101.1	.	-
CK	U/L	21	182.7	34.2	9.33	114.4-251.0	.	-

Interpretation of Z Score :

Z Score Value(+/-)	$[Z] \leq 2.0$	$2.0 < [Z] < 3.0$	$[Z] \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#) Late Result Submission	(\$) Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Prepared by: PS

Programme Director

Dr. Bandana Mehrotra

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BIO-CHEMISTRY-02

METHOD WISE REPORT

Lab Code: 2864

Cycle - 12/2023
Round No - 04

Date: 29/04/2023

Note: Your Lab is not the part of this method group

Parameters	Units	Method Group	No.of. Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Albumin	g/dL	Bromcresal Green (BCG)	73	4.2	0.2	0.03	3.8-4.7	-	-
Alkaline Phosphatase	U/L	PNPP	74	170.9	21.9	3.18	127.1-214.8	-	-
Bilirubin Total	mg/dL	Diazonium Ion	72	1.5	0.2	0.03	1.2-1.8	-	-
Calcium(Total)	mg/dL	Arsenazo iii	54	8.9	0.5	0.09	7.9-9.9	-	-
Cholesterol (Total)	mg/dL	Cholestrol Oxidase,esterase, peroxidase	78	151.3	9.4	1.33	132.5-170.2	-	-
Creatinine	mg/dL	Alkaline picrate	63	1.5	0.1	0.02	1.3-1.8	-	-
Glucose	mg/dL	Glucose oxidase,hydrogen peroxide(Trinder)	50	103.4	6.8	1.20	89.8-117.0	-	-
HDL	mg/dL	Direct measure	51	47.4	7.0	1.23	33.5-61.3	-	-
Potassium	mEq/L	ISE Direct	45	4.0	0.2	0.04	3.7-4.3	-	-
Protein (Total)	g/dl	Biuret, reagent blank, end point	49	5.9	0.3	0.05	5.3-6.4	-	-
Sodium	mEq/L	ISE Direct	46	140.1	2.7	0.50	134.7-145.4	-	-
SGPT/ALT	U/L	UV without P5P	58	31.1	3.5	0.57	24.1-38.1	-	-
SGOT/AST	U/L	UV without P5P	57	29.9	2.6	0.43	24.6-35.2	-	-
Triglyceride	mg/dL	Enzymatic method	51	100.2	9.4	1.65	81.5-118.9	-	-
Urea	mg/dL	Urease	67	43	2.8	0.43	37.5-48.6	-	-
Uric Acid	mg/dl	Uricase	61	5.9	0.4	0.06	5.1-6.7	-	-
Chloride	mEq/L	ISE Indirect	45	98.2	3.4	0.63	91.4-104.9	-	-
Phosphorus	mg/dL	Phosphomolybdate method	62	4.6	0.2	0.03	4.2-5.0	-	-
Magnesium	mg/dl	Uricase Colorimetic	10	2.1	0.2	0.08	1.7-2.5	-	-
Iron	µg/dL	Ferene	34	113.1	7.1	1.52	98.8-127.3	-	-
Amylase	U/L	Uricase Colorimetic	31	85.5	7.5	1.68	70.6-100.4	-	-

Interpretation of Z Score :

Z Score Value(+/-)	$ Z \leq 2.0$	$2.0 < Z < 3.0$	$ Z \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

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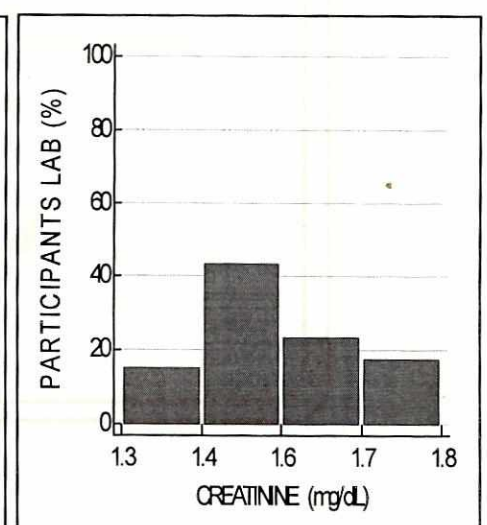
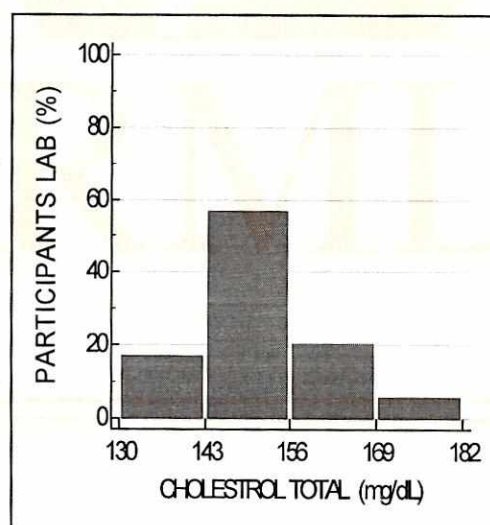
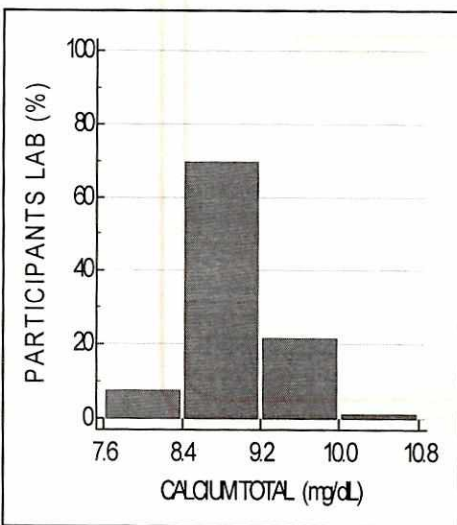
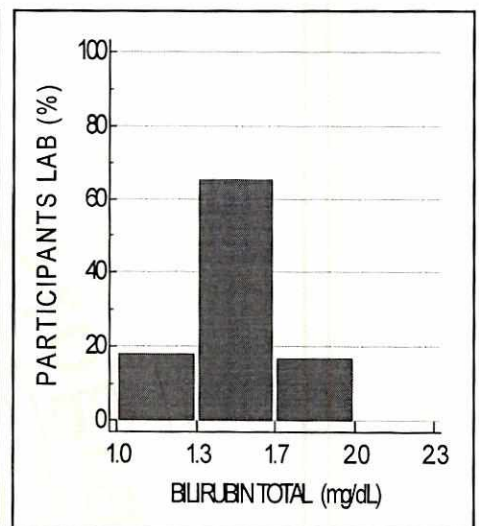
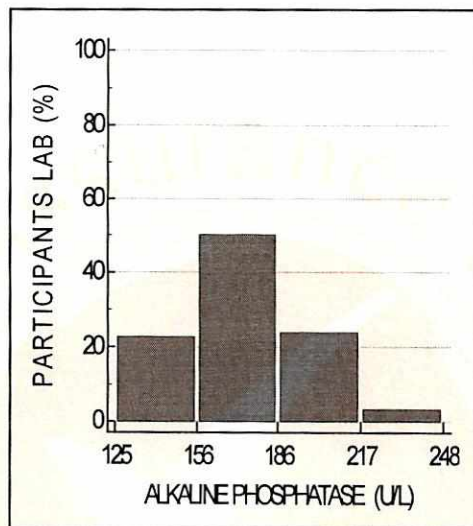
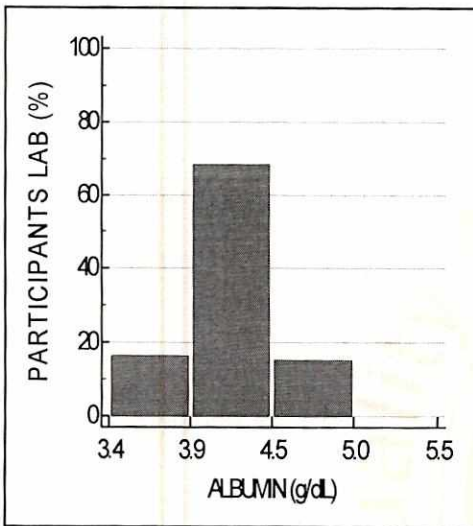


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-4

Date: 29/04/2023



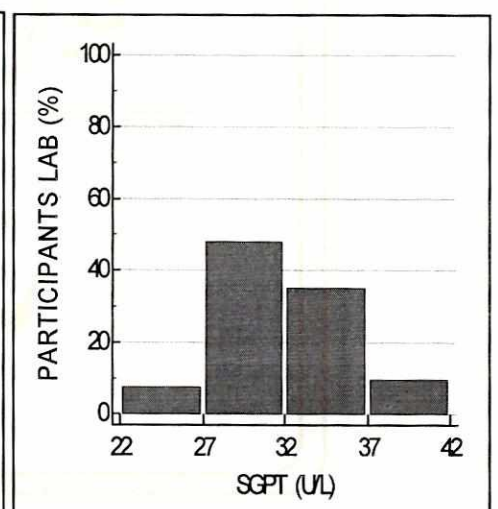
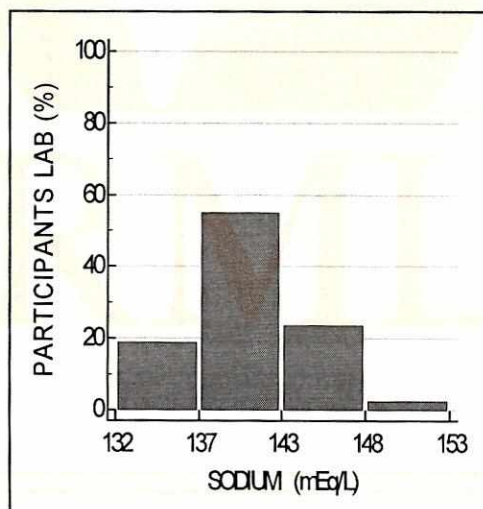
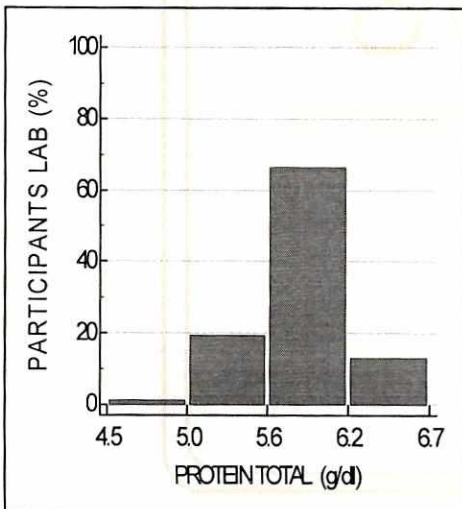
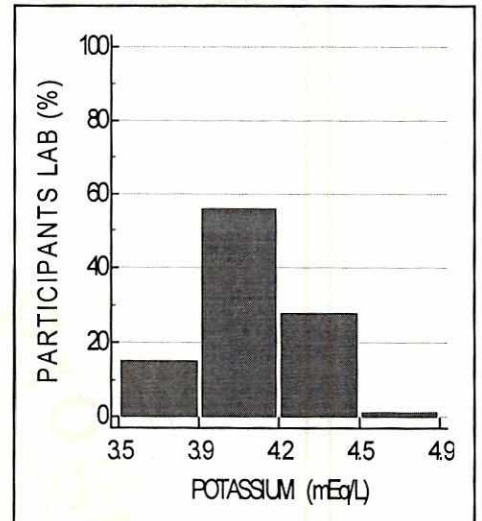
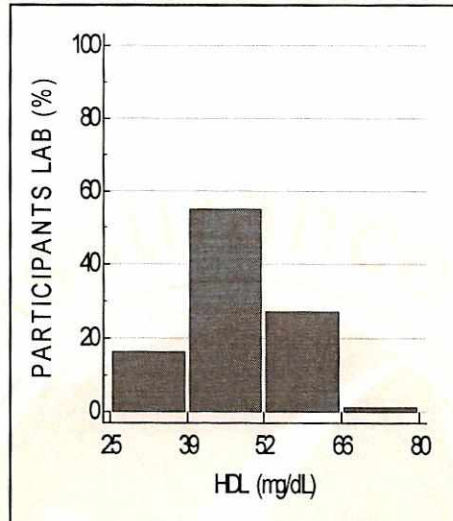
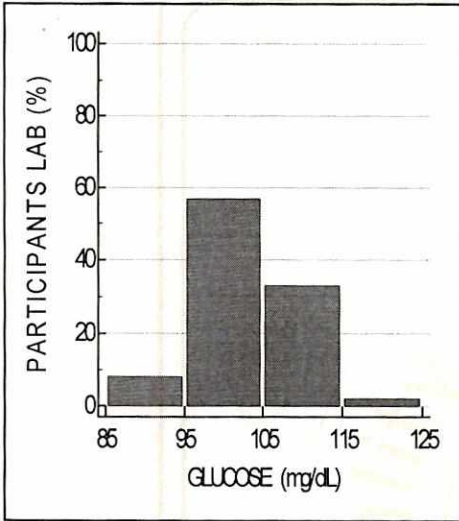


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-4

Date: 29/04/2023

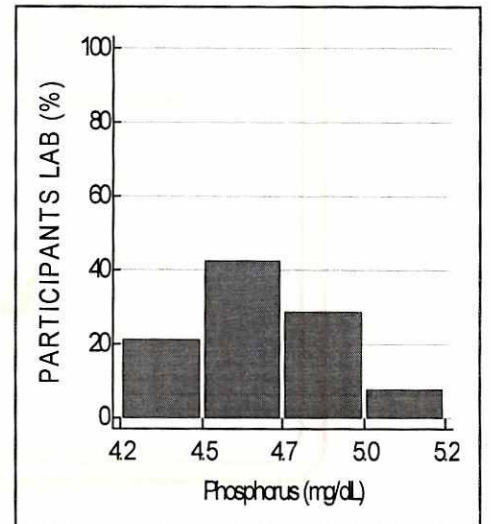
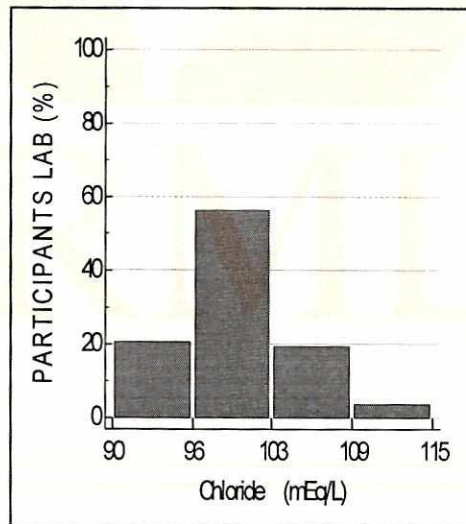
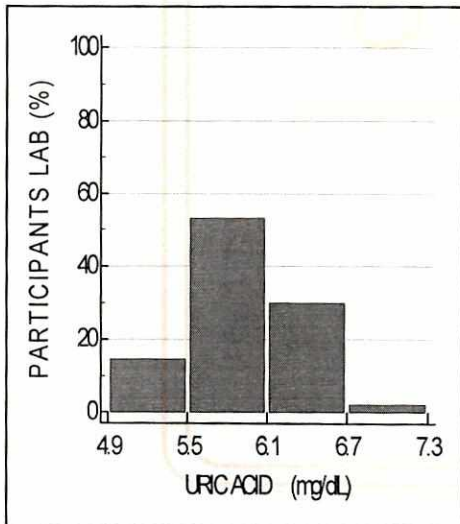
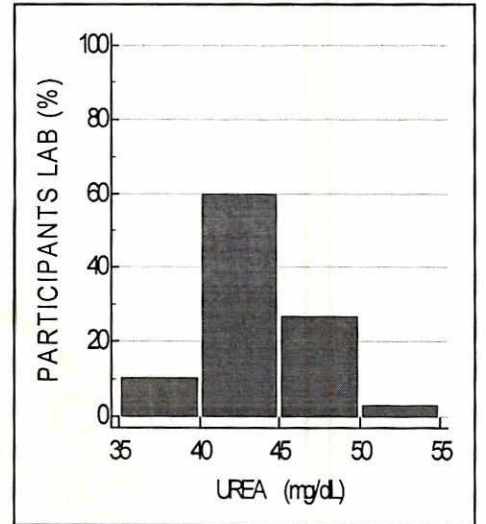
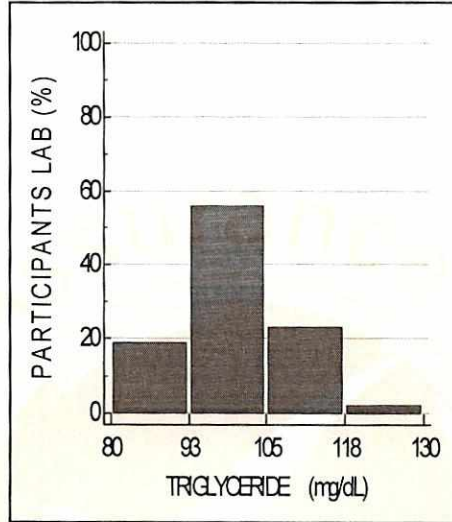
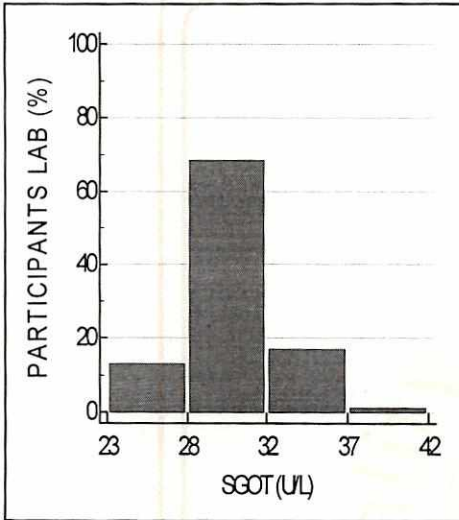


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GRAPHICAL REPORT

Cycle - 12/2023
Round-4

Date: 29/04/2023

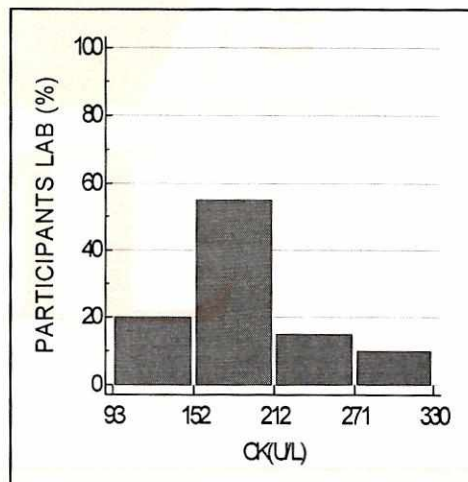
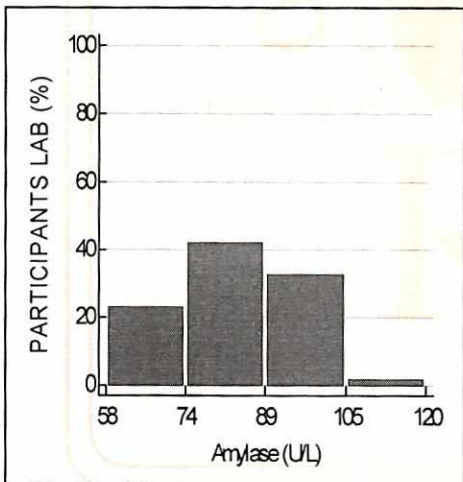
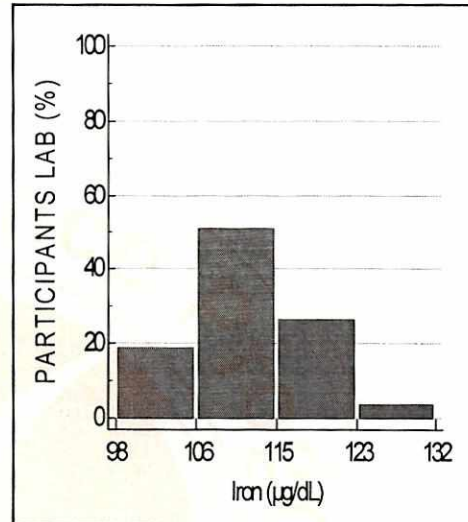
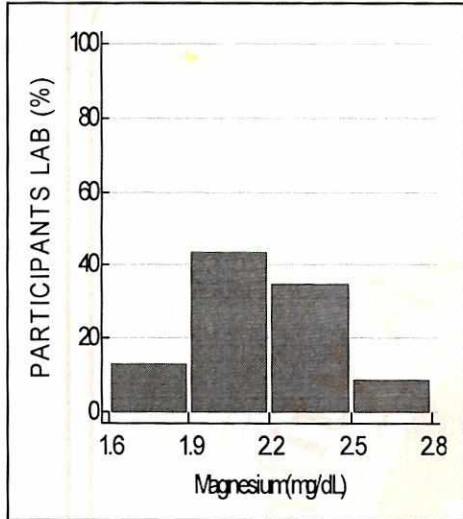


EXTENDED BIO-CHEMISTRY-02

GRAPHICAL REPORT

Cycle - 12/2023
Round-4

Date: 29/04/2023





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Extended Biochemistry -02

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No -4

Date: 29/04/2023

Note:- This report is only for information about the participants performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Robust Group Mean	No. of Participants Z Score b/w 0.0 - 2	No. of Participants Z Score b/w 2.1 - 2.9	No. of Participants Z Score >3
Albumin	124	101	5	93	3	5
Alkaline Phosphatase	124	99	9	87	3	9
Bilirubin Total	124	100	6	94	0	6
Calcium(Total)	124	93	14	72	7	14
Cholesterol (Total)	124	99	6	84	9	6
Creatinine	124	100	11	82	7	11
Glucose	124	99	4	93	2	4
HDL	124	94	3	86	5	3
Potassium	124	90	2	84	4	2
Protein (Total)	124	98	8	88	2	8
Sodium	124	90	7	79	4	7
SGPT/ALT	124	100	6	89	5	6
SGOT/AST	124	99	23	71	5	23
Triglyceride	124	98	4	89	5	4
Urea	124	100	3	89	8	3
Uric Acid	124	98	4	86	8	4
Chloride mEq/L	124	88	4	75	9	4
Phosphorus mg/dL	124	80	11	66	3	11
Magnesium mg/dl	124	27	4	21	2	4
Iron µg/dL	124	70	15	52	3	15
Amylase U/L	124	56	5	49	2	5
CK U/L	124	21	1	17	3	1

****End of Report****

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